PLEASE READ AND FOLLOW ALL WARNINGS

AIR TOOLS

FP821

3" Mini Orbital Sander Kit

Read Operating Instructions
Always become familiar with all the instructions and warnings before operating any power tool.

Always Wear Approved Eye Protection
Impact resistant eye protection should meet or exceed the standards as set forth in the United States ANSI Z87.1, Occupational and Educational Eye and Face Protection. Look for the marking Z87.1 on your eye protection to insure that it is an approved style. For further information, ANSI Z87.1, Occupational and Educational Eye and Face Protection, is available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

Hearing Protection is Recommended
Hearing protection should be used when the noise level exposure equals or exceeds an 8 hour time-weighted average sound level of 85 dBA. Process noise, reflective surfaces, other tools being operated nearby, all add to the noise level present in your work area. If you are unable to determine your noise level exposure, we recommend the use of hearing protection.

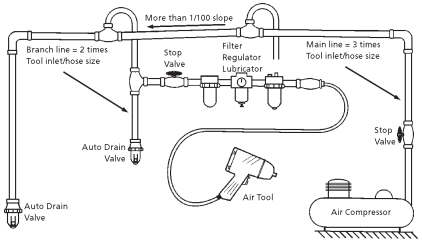
Avoid Prolonged Exposure to Vibration
Tools can vibrate during use. Prolonged exposure to vibration or very repetitive hand and arm movements, can cause injury. Stop using any tool if discomfort, tingling feeling or pain occurs. You should consult your physician before resuming use of the tool.

90 PSIG Maximum
This tool is designed to operate at an air pressure of 90 pounds per square inch gauge pressure (90 PSIG) maximum, at the tool. Use of higher air pressure can, and may cause injury. Also, the use of higher air pressure places the internal components under loads and stresses they were not designed for, causing premature failure. The air supply should be clean and dry, preferably lubricated. For best results, drain the moisture from your compressor daily.

WARNING:
Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment such as those dust masks that are specially designed to filter out microscopic particles.



Description

Florida Pneumatic 3” mini orbital sander is intended for all medium duty sanding applications. Its orbital action and 3” pad diameter assures swirl-free finishes on flat areas.

Safety Instructions

The following instructions are furnished as general guidelines for use of your pneumatic tool. They cannot comprehensively cover all possible or conceivable uses of the subject tool. For additional information on the safe use of air tools, we advise you to obtain a copy of ANSI B186.1 Safety Code for Portable Air Tools, available from the following source:

American National Standards Institute, Inc.
11 West 42nd Street
New York, NY 10036.

The use of the word “shall” in the following instructions, indicates that adherence to the particular requirement is necessary to conform to ANSI B186.1.

Tool Application and Usage

Portable tools shall be used only for the purposes intended in their design and within the capacity for which they were intended and rated. It shall be the tool owner’s and/or employer’s responsibility to instruct each operator in the safe use of the tool. Tools shall not be used without guards and safety devices as furnished by the manufacturer. Where an air tool is modified or altered, the modifier shall provide the safeguards to enable it to be safely used in the operations intended and to comply with any applicable provisions as contained in ANSI B186.1.

Tool Installation

Pressure regulators shall be used to limit air pressure to the rated pressure where the supply pressure exceeds the tool’s rated pressure. Air hoses and lines shall be relieved of compressed air before being disconnected or disjointed, unless there is automatic valve closing protection at the joint being separated. Synthetic lubricants which can cause deterioration of elastomer seals shall not be used in air systems of air tools.

Tool Maintenance

It shall be the tool owner’s and/or employer’s responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorized, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer’s recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner’s and/or employer’s responsibility to keep required rating markings and warnings on the tool in legible condition.

Florida Pneumatic Manufacturing Corporation
851 Jupiter Park Lane, Jupiter, Florida 33458
Toll Free 1-800-327-9403

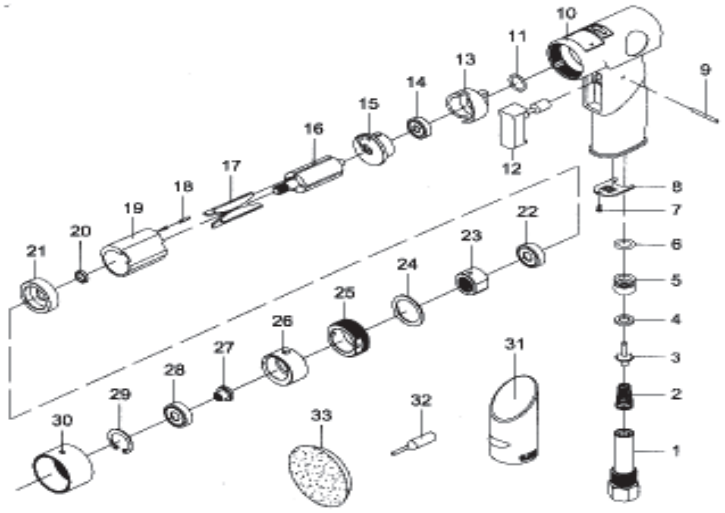
Read these instructions carefully before attempting to install, operate or service this Florida Pneumatic product. Failure to comply with the instructions could result in personal injury and/or property damage! Retain these instructions for future reference.

FPMC

Pad size	3"
Free speed	15,000 RPM
Spindle thread	5/16" X 24
Weight	1 2/3 lbs.
Overall length	4 3/4"
Recommended hose size	3/8" I.D.
Diameter	1-1/2"
Air inlet	1/4" NPT
Maximum operating pressure	90 PSI

Parts Breakdown for FP821

Note: always use accessories with an RPM rating that meets or exceeds the tool RPM rating. Always examine accessories before mounting for chips, cracks, or signs of damage. Never use accessories that have been dropped or exposed to; water, solvent, or extreme temperature changes. It is a good practice to operate the tool in a protected enclosure for one minute after mounting any accessory.



AIR TOOLS
FP821
3" Mini Orbital Sander Kit

Replacement Parts for FP821

Ref.	Description	Part #
1	Air Inlet	973103
2	Spring	973108
3	Valve Stem	9500110
4	Rubber Spacer	973153
5	Valve	973124
6	O-Ring	960307
7	Screw	940309
8	Diffuser	9600107
9	Pin	982202
10	Motor Housing	9600101
11	O-Ring	972831
12	Trigger	9600104
13	Air Regulator	9600106
14	Ball Bearing	9030113
15	Rear Plate	930114
16	Rotor	9600115
17	Rotor Blades (4)	970616

Ref.	Description	Part #
18	Spring Pin	930117
19	Cylinder	930118
20	Rotor Bushing	961012
21	Front Plate	9600119
22	Ball Bearing	9030120-11
23	Connector	9600312
24	Spacer	9600108
25	Motor Lock Nut	9600313
26	Counter Balance	9600322
27	Nut	9600323
28	Ball Bearing	9030120-12
29	Stop Ring	952827
30	Guard	9600321
31	Rubber Grip	9600110
32	Key	9600324
33	Pad	9600327V-31

Limited Warranty

Florida Pneumatic warrants its tools to be free from defects in material and workmanship for two years from the date of purchase. This warranty does not apply to tools which have been abused, misused, modified or repaired by someone other than Florida Pneumatic or its authorized service centers. If a Florida Pneumatic proves defective in material of workmanship within one year after purchase, return it to any authorized service center or to Florida Pneumatic, freight prepaid. Please enclose your name, address and adequate proof of purchase date with a brief description of the defect. Florida Pneumatic will, at its option, repair or replace defective tools, free of charge. Repairs or replacements are warranted as described above for the remainder of the warranty period. Florida Pneumatic's sole liability and your exclusive remedy under this warranty is limited to repair or replacement of the defective tool. There are no other warranties expressed or implied and Florida Pneumatic shall not be liable for incidental, consequential or special damages, or any other damages, costs or expense of repair or replacement as described above.